

53. (New) An electronically controlled mechanical timepiece comprising a mainspring formed from spirally arranged amorphous metal.

54. (New) A mainspring comprising a plurality of laminated amorphous metal sheets.

55. (New) A mainspring according to claim 54, further comprising an adhesive interposed between two said laminated amorphous metal sheets.

56. (New) A mainspring according to claim 54, further comprising an adhesive layer interposed directly between two adjacent said laminated amorphous metal sheets.

57. (New) A mainspring according to claim 54, wherein said mainspring is a spiral spring.

58. (New) A timepiece comprising a mainspring having a plurality of laminated amorphous metal sheets.

59. (New) A timepiece according to claim 58, further comprising an adhesive interposed between two said laminated amorphous metal sheets.

60. (New) A timepiece according to claim 58, further comprising an adhesive layer interposed directly between two adjacent said laminated amorphous metal sheets.

61. (New) A timepiece according to claim 58, wherein said mainspring is a spiral spring.

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62. (New) A electronically controlled mechanical timepiece comprising a mainspring having a plurality of laminated amorphous metal sheets.

63. (New) An electronically controlled mechanical timepiece according to claim 62, further comprising an adhesive interposed between two said laminated amorphous metal sheets.

64. (New) An electronically controlled mechanical timepiece according to claim 62, further comprising an adhesive layer interposed directly between two adjacent said laminated amorphous metal sheets.

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65. (New) An electronically controlled mechanical timepiece according to claim 62, wherein said mainspring is a spiral spring.

66. (New) A method of arranging a spring formed from a spirally arranged amorphous metal member having a direction of spiral curvature when unconstrained, comprising the step of:

winding the spirally arranged amorphous metal member on an arbor in a direction opposite to the direction of spiral curvature.

67. (New) A method of forming a spiral spring, comprising the steps of:

forming a first spiral spring from an amorphous metal with a central free end and an outer end;

securing the outer end of the first spiral spring to an arbor;

rotating the arbor in a direction opposite to a direction of spiral of the spiral spring to form a new spiral spring having its inner end, corresponding to the outer end of said first spiral spring, secured to the arbor and having a free outer end corresponding to the free inner end of said first spiral spring.

68. (New) A method of forming a spiral spring according to claim 67, further comprising the step of mounting the new spiral spring in a barrel.

69 (New) A method of forming a spiral spring from a first spiral spring formed from an amorphous metal with a central free end and an outer end, comprising the steps of:

securing the outer end of the first spiral spring to an arbor;

rotating the arbor in a direction opposite to a direction of spiral of the spiral spring to form a new spiral spring having its inner end, corresponding to the outer end of said first spiral spring, secured to the arbor and having a free outer end corresponding to the free inner end of said first spiral spring.

70. (New) A method of forming a spiral spring according to claim 69, further comprising the step of mounting the new spiral spring in a barrel.--.

Amend claims 14, 15, 23, 34 and 35:

B2 Sub C1 14. (Amended) A spring, said spring being formed of spirally arranged amorphous metal and serving as a source of power.

15. (Amended) A spring as recited by claim 14, wherein said spring is supported by a substrate, said spring defining a flexure.

B2 Sub C2 23. (Amended) A mainspring, said mainspring being formed of spirally arranged amorphous metal.

B4 Sub C3 34. (Amended) A hairspring, said hairspring being formed of spirally arranged amorphous metal.

35. (Amended) A hairspring as recited by claim 34, wherein said hairspring is supported by a substrate, said hairspring defining a flexure.

REMARKS

Claims 14-40 and 51-70 are pending in this application. Claims 14-40 stand rejected, and claims 51-70 are newly-presented. Claims 14, 15, 23, 34 and 35 have been amended. No new matter has been added. Claims 14, 23, 34, 51-54, 58, 62, 66, 67 and 69 are independent.

To better describe the present invention, claims 14, 23 and 34 have been revised to use the term --spirally--. This is a term known to those skilled in the art.

New claims 51-53, which pertain to timepieces having mainsprings or hairsprings formed from spirally arranged amorphous metal, have been added. Support for